

Patent Claims

1. A crash box for a motor vehicle, in particular for a passenger automobile, having a plurality of fold beads (7) arranged vertically and/or transversely with respect to a predetermined direction of deformation of the crash box, and at least one mounting element (4) secured to the crash box, characterized in that the mounting element (4) is arranged on one of the fold beads (7) but is cut out over a fold bead (7) and/or provided with an oppositely curved, similar fold bead (13).

2. The crash box for a motor vehicle as claimed in claim 1, characterized in that the crash box has crash box parts (1, 2) arranged on both sides of the longitudinal center of the vehicle, and a radiator and/or heat exchanger arrangement (3), positioned vertically, is arranged on the crash box, substantially transversely with respect to the longitudinal direction of the vehicle, the radiator and/or heat exchanger arrangement (3) in each case having a left-hand and a right-hand receiving bolt (5, 5'), which is received by a respective left-hand and right-hand, upwardly open U-shaped receiving part (4, 4') which is arranged on the respective crash box part (1, 2).

3. The crash box for a motor vehicle as claimed in claim 1 or 2, characterized in that the radiator and/or heat exchanger arrangement (3), in a mounting state, is mounted such that it can rotate about an axis (11) defined by the left-hand and right-hand receiving bolt (5, 5') and can be slid downwards into or upwards out of the respective left-hand and right-hand U-shaped receiving part (4, 4').

4. The crash box for a motor vehicle as claimed in one of claims 1 to 3, characterized in that the radiator and/or heat

exchanger arrangement (3), in an operating state, is prevented from rotational movement by at least one connection at a transverse bridge.

5. The crash box for a motor vehicle as claimed in one of claims 1 to 4, characterized in that the radiator and/or heat exchanger arrangement (3), in the operating state, is designed to hang freely between the two U-shaped receiving parts (4, 4').

6. The crash box for a motor vehicle as claimed in one of claims 1 to 5, characterized in that the left-hand and right-hand receiving bolt (5, 5') has a rubberized protective sheath (6).

7. The crash box for a motor vehicle as claimed in one of claims 1 to 6, characterized in that the crash box is arranged at a front end of a motor vehicle.

8. The crash box for a motor vehicle as claimed in one of claims 1 to 6, characterized in that the crash box is arranged at a rear end of a motor vehicle.